



- 3 Type**
- A** Operation with knob, black sleeve, without lock nut
 - AK** Operation with knob, black sleeve, with lock nut
 - AR** Operation with knob, red sleeve, without lock nut
 - ARK** Operation with knob, red sleeve, with lock nut
 - B** Operation with key, black sleeve, without lock nut
 - BK** Operation with key, black sleeve, with lock nut

Metric table

1		2		Dimensions in: millimeters - inches										
d_1	Pin	d_2	d_3	d_4	d_5	d_6	$l_1 \approx$	l_2	l_3	$l_4 \approx$	l_5	A/F	Spring load \approx	
6	8	M 12 x 1.5	16	28	17	-	50	8	20	6	43	14	Initial	End
0.24	0.31		0.63	1.10	0.67		1.97	0.31	0.79	0.24	1.69	0.55	2.92 lbf	6.29 lbf
0.31	0.39	M 16 x 1.5	18	28	17	20	52	10	22	6	48	16	14 N	38 N
			0.71	1.10	0.67	0.79	2.05	0.39	0.87	0.24	1.89	0.63	3.15 lbf	8.54 lbf

Specification

- Threaded body
Steel, zinc plated, blue passivated finish
- Plunger pin
Stainless steel AISI 303
- Spring
Stainless steel AISI 301
- Knob
Plastic
Technopolymer (Polyamide PA)
- Temperature resistant up to 230 °F (110 °C)
- Black, matte finish
- Not removable
- Cover sleeve
Plastic
Technopolymer (Polyamide PA)
- Black or red, matte finish
- Not removable
- Lock nut
Steel, zinc plated
DIN 439 B / ISO 8675
- Load Rating Information → page 2103
- Plastic Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

Accessory

- Key GN 816-10
Plastic (Polyamide PA)
Locking indexing plungers Ø 6, 8 and 10 mm utilize the same key.

Information

In the unlocked position, the pin of the GN 816 locking indexing plunger protrudes. To retract the pin, pull the knurled knob up against the spring force to the final position and turn it 90° to lock the pin in the retracted position. The shape of the cam curve secures the plunger against accidental operation.

When operating the knurled knob (type AR / ARK), the visible red cover sleeve indicates the locking status: plunger pin is retracted.

For Type B / BK, a key is required to move the plunger in the same manner as the knurled knob type. In this version, a cover sleeve provides additional security and safety from unauthorized removal of the locking plunger. The cover sleeve also provides additional protection against malfunction caused by dirt.

see also...

- List of Indexing Plunger Types → page 915
- Spacer Bushings GN 609.5 (to Limit the Thread Length) → page 994
- Locating Bushings GN 412.2 / GN 412.4 → page 996
- Thin Hex Nuts GN 909 / GN 909.5 → page 995
- Locking Indexing Plungers GN 816.1 (Plunger Pin in Normal Position, Retracted) → page 988

How to order	1	2	3
	Pin diameter d_1	Thread d_2	Type
GN816-6-M12X1.5-A			



Operation with key (Type B / BK)

